

Attorney Docket No. P67040US0
Application No. 09/914,027

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (canceled).

Claim 2 (previously presented): A capillary for capillary electrochromatography filled with support material characterized in that the support material in the capillary, which is based on a base material containing hydroxy groups, has reversed phases which are limited to the inner surfaces of porous particles, said reversed phases consisting of fatty acid residues.

Claim 3 (currently amended): A capillary electrochromatography (CEC) method comprising

- applying a biological sample to porous particles in a CEC column, wherein the biological sample comprises an analyte in a matrix, the porous particles having inner surfaces comprising reversed phase support material consisting of fatty acid residues and outer surfaces containing hydroxy groups, the reversed phase support material being limited to the inner surfaces of the porous particles;

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- applying a voltage across the CEC column to produce an electro-osmotic flow, whereby molecules in the sample migrate according to the charge-to-mass ratio of the molecules;
 - applying a wash buffer to elute the sample matrix from the column; and
 - applying a transfer buffer to elute the analyte from the column;
- thereby, separating the analyte from the biological sample matrix.

Claim 4 (currently amended): A capillary for capillary electrochromatography filled with a support material characterized in that the support material comprises porous particles, the pores of said particles having surfaces comprising reversed phase material consisting of fatty acid residues and outer surfaces containing hydroxy groups, the reversed phase material being limited to the pore surfaces of the porous particles.